

Amendments to the Claims

This listing of claims will replace all prior versions, and listing, of claims in the application:

Listing of Claims:

1-11. (Cancelled)

12. (Previously presented) A secondary belt cleaning system for cleaning a conveyor belt running in a belt travel direction between conveyor pulleys, the secondary belt cleaner system comprising:

an elongate support having opposite ends and extending under the conveyor belt transverse to the belt travel direction;

a plurality of side-by-side aligned cleaning blades biased into scraping engagement with the belt;

a pair of resilient mounts for each of the cleaning blades disposed under the belt operably secured to the support with the resilient mounts allowing the blade to shift in the belt travel direction and-down away from the belt due to impacts therewith during conveyor belt operations; and

resilient biasing mechanisms at the ends of the support out from under the conveyor belt that-allow for resilient shifting of the support.

13. (Original) The secondary belt cleaning system of claim 12 wherein the pair of resilient mounts include an angled spring plate member having a layback portion including an upper end to which the cleaning blade is secured and extending at a predetermined layback angle toward the belt, and a torsion bias mechanism to which the spring plate member is mounted allowing the spring plate member to resiliently rotate about an axis substantially parallel to the elongate support.

14. (Original) The secondary belt cleaning system of claim 13 wherein the torsion bias mechanism is disposed behind the layback portion so that the layback portion serves to protect the torsion bias mechanism from scrapped material from the belt.

15. (Original) The secondary belt cleaning system of claim 13 wherein the torsion biasing mechanism includes an inner member, an outer sleeve extending about the inner member and resilient material between the sleeve and the inner member to allow the sleeve to resiliently rotate about the inner member, and the angled spring plate member comprises a lower arcuate portion spaced upstream of the upper end of the layback portion and a flat base portion connected to the arcuate portion and secured to the outer sleeve.

16. (Original) The secondary belt cleaning system of claim 15 including a stop between the layback portion and the outer sleeve to limit deflection of the layback portion and for causing resilient rotation of the sleeve.

17. (Original) The secondary belt cleaning system of claim 12 wherein the pair of resilient mounts include a stop therebetween so that one of the mounts is limited in an amount of resilient shifting provided to the blade thereby so that only the other mount of the pair generates resilient shifting of the blade.

18. (Original) The secondary belt cleaning system of claim 12 wherein the resilient biasing mechanisms comprise a pair of biasing mechanisms at each end of the support with one biasing mechanism allowing for the rotary resilient shifting of the support and the other biasing mechanism allowing for the vertical resilient shifting of the support.